Author Index to Volume 32

Acevedo, B. 444
Acevedo, L. D. 395
Albeck, M. 705
Alfonso, P. 444, 940
Almeida, L. M. P. M. 930
Alpendurada, M. F. 1100
Ambihapathy, K. 209
Amekraz, B. 779
Anacardio, R. 388
Anderson, M. A. 152
Andre, F. 626
Angeletti, R. 781
Aoyagi, K. 755
Arcamone, F. M. 1186
Arimoto, H. 408
Arshadi, M. 915
Aubagnac, J.-L. 147
Audier, H. E. 188, 201, 331, 779

Bahr, U. 1111
Baker, A. G. 662
Baker, R. 875
Banoub, J. 109
Barceló, D. 1100
Barros, C. M. F. 930
Barth, H.-D. 1350
Bateman, K. P. 297, 1057
Bateman, R. H. 167
Batts, B. D. 328
Bender, J. 855
Benezech, V. 87
Bennett, P. K. 739
Best, M. D. 1305
Beylot, M. 81
Biancotto, G. 781
Birkinshaw, K. 795
Bluck, L. J. C. 1212
Bolgar, M. S. 225
Bompart, J. 87
Bonnet, P. A. 87
Boon, J.-P. J. L. 697
Bordier, C. 723
Bouchoux, G. 188
Bowers, L. D. 33
Bratton, D. L. 888
Bravo, P. 1002
Brinkman, U. A. T. 43
Brodbelt, J. 846
Bronstein, H. E. 1305
Brunot, A. 829
Brutschy, B. 1350
Budzikiewicz, H. 1317
Byun, J. 71

Calas, B. 87
Calas, M. 147
Caldwell, K. L. 1374
Callahan, J. H. 1080
Callot, H. 978
Camafeita, E. 444, 940
Campbell, J. A. 820
Cantalini, M. G. 388
Cardoso, A. M. 930
Cardoso, J. N. 1356
Carr, S. R. 959
Carvalho, M. C. 1137
Cassady, C. J. 959
Castillo, M. 1100
Catinella, S. 829
Cavaleiro, J. A. S. 930
Cerpa-Poljak, A. 370
Chamot-Rooke, J. 779
Chapat, J. P. 87
Chattopadhyay, S. K. 216
Chen, G. 333, 1258, 1305
Chen, Q. 1310
Claeys, M. 277
Clemmer, D. E. 577
Coburn, M. 525
Cojocaru, M. 705
Cole, R. B. 413
Cooks, R. G. 159, 333, 1258, 1299, 1305
Cordina, G. 147
Cordwell, S. J. 370
Cotter, R. J. 602
Coward, W. A. 1212
Cullen, W. R. 864
Cummins, L. L. 305

Dani, F. 1371
Darmaun, D. 1094
Das, B. C. 339
Dass, C. 1279
De Angelis, F. 388
de Boer, D. 1236
de Bruijn, E. A. 1236
de Leeuw, J. W. 438, 1253
De Nino, A. 533
Deng, Y. 135
Déon, C. 880
Dikler, S. 1337
Diraison, F. 81
Dirr, M. K. 1290
Dobson, R. L. M. 1290
Doroshenko, V. M. 602
Drahos, L. 689
Duncan, M. W. 370

Eberlin, M. N. 336, 1137
Edelson-Averbukh, M. 515
Edmondson, R. D. 263, 714
Edom, R. 739
Efremov, I. V. 728
Eichhold, T. H. 1205
Eigendorf, G. K. 864
Einhorn, J. 723
Elias, V. O. 1356
Elyashiv, I. 705
Erra-Balsells, R. 287
Esmans, E. L. 12

Fauler, G. 507
Favretto, D. 781, 1002, 1371
Fehsenfeld, F. C. 1273
Ferguson, E. E. 1273
Ferguson, J. A. 978
Ferrer-Correia, A. J. 930
Fischer, G. 1064
Flammang, R. 1170
Fleet, I. A. 984
Francina, A. 880
Frank, R. 1064
Freiser, B. S. 475, 1310
Friedemann, R. 1064
Fu, H. 813
Fujii, T. 408
Fukui, S. 287

Galactéros, F. 880
García Alonso, J. I. 542, 556
Gaskell, S. J. 225, 677
Gaus, H. J. 305
Gehre, M. 855
Gentile, M. 388
George, M. 71
Gerbaux, P. 1170
Gevrey, S. 550
Ginlin, D. 1133
Gilles, I. 147
Gleispach, H. 507
Gleitsmann, E. 1111
Gobom, J. 593
Goeringer, D. E. 461
Goheen, S. C. 820
Goldan, P. D. 1273
Gorter, P. 1236
Goto, J. 401
Gouéth, P. Y. 109
Grassy, G. 87
Green, M. R. 167
Greenfield, L. J. 1205
Grégoire, S. 829
Greig, M. J. 305
Griffey, R. H. 305
Griffiths, W. J. 899
Groff, P. 880
Gross, M. L. 71, 1133
Guevremont, R. 992
Guo, X. 241
Gutiérrez Camblor, M. 556

Haas, G. W. 1133
Haebel, S. 593
Harrison, A. G. 209
Harvey, D. J. 167
Haselbeck, A. 948
Hass, R. 728
Hatanaka, K. 408
Heerma, W. 697
Henion, J. 379, 739
Henion, J. D. 152
Herzschuh, R. 1195
Hess, W. P. 820
Hileman, R. E. 760
Hjertman, M. 899
Hoekstra-Oussoren, S. J. F. 43
Hofmann, D. 855
Hofmeyer, L. J. F. 697
Hoke, S. H., II 1205
Holloway, H. W. 395
Holt, R. M. 64
Honing, M. 43
Hopfgartner, G. 23
Hoppilliard, Y. 1037
Houghton, P. J. 1279
Houston, C. T. 662
Hrušák, J. 494
Huber, E. 507
Humphery-Smith, I. 370
Hung, H.-Y. 432
Husser, C. 23

Ibarra, F. E. 420
Ikegawa, S. 401
Ishihara, M. 1179
Ishikawa, N. 1140
Ivanova, A. 1317

Jacquet, J.-P. 251
Jager, M. E. 43
Jakob, M. 1064
Jakobsen, L. 593
Jardine, D. R. 328
Jarrold, M. F. 577

© 1997 John Wiley & Sons, Ltd.

Jayashree, B. S. 1279
Johnson, R. C. 1299
Jung, K. 855

Kagan, M. Z. 760
Kaiser, C. R. 336
Kalmes, G. 880
Kamzelski, A. Z. 71
Kan, S. Z. 1310
Kanada, Y. 773
Karakhanova, N. K. 728
Karas, C. b. M. 1
Karas, M. 1111
Kascheres, C. 1137
Kasthurikrishnan, N. 1299
Ke, F. 992
Kebarle, P. , 922
Kelly, J. W. 1337
Kempen, E. C. 846
Kerbl, R. 507
Kerhoas, L. 723
Ketcha, M. M. 1226
Kettenes-van den Bosch, J. J. 1236
Kim, M. S. 968
Kim, Y. H. 968
Kinsel, G. R. 714
Kishikawa, M. 773
Kitas, E. A. 1117
Kobayashi, S. 1140
Koch, K. 1299
Koll, H. 948
Kondo, F. 1140
Korfmacher, W. A. 379
Kostova, I. 1317
Koziet, J. 103
Krause, H. 1072
Krempf, M. 1094
Krishna, P. 122
Kroll-Kristensen, A. 593
Kruijtzer, J. A. W. 697
Kulshrestha, M. 216
Kumar, S. 216
Kussmann, M. 483, 593

Lafitte, D. 87
Lapiguera, A. P. 379
Laprévote, O. 339
Larsson, O. 899
Lässing, U. 483
Lau, B. P.-Y. 655
Laurent, F. 87
Lavanant, H. 1037
Lawrence, J. F. 655
Laycock, J. D. 978
Le Bizec, B. 626
Lebedev, A. T. 728
Leis, H. J. 507
Letcher, R. J. 232
Leung, H.-W. 209
Lewis, D. 655
Li, C. 314
Li, G. 420
Li, Y.-T. 739
Li, Z. 813
Lifshitz, C. 1219
Lin, C.-C. 379
Ling, Y. 1219
Linhardt, R. J. 760
Linscheid, M. 645
Liskamp, R. M. J. 697
Liu, C. 33, 425
Liu, K. 305
Liu, L. K. 432
Liu, S. 241
Liu, Z. 241
Locke, S. J. 297
Lombardo, N. 533
Löster, H. 1195
Luke, A. H. 1332
Luna, A. 550

Ma, S. 159, 1305
Maas, L. R. M. 1253
McGarity, P. R. 1374
McIntyre, C. 328
McLuckey, S. A. 461
McMahon, T. B. 201, 494
Madhusudanan, K. P. 216
Maes, R. A. A. 1236
Mandelbaum, A. 515, 750, 1124
Mann, M. 94
March, R. E. 351, 829
Marchante-Gayón, J. M. 556
Marchini, S. 1094
Marcus, A. B. 897
Marzouk, M. S. 645
Mathurin, J.-C. 829
Matsumoto, M. 1140
Matsuo, T. 1179
Maugère, P. 1094
Maume, D. 626
Medina, R. 1072
Meister, W. 1117
Mele, A. 807
Menand, C. 1094
Méndez, E. 444, 940
Merkt, B. L. 1290
Mirgorodskaya, E. 593
Mitsutsuka, Y. 408
Miyazaki, A. 773
Möder, M. 1195
Moini, M. 420
Monaghan, J. J. 984
Moneti, G. 1371
Monteith, D. 305
Montes Bayón, M. 556
Montrade, M.-P. 626
Moraes, L. A. B. 1137
Morizur, J.-P. 550
Morlender-Vais, N. 1124
Morton, T. H. 251
Mosi, A. A. 864
Mothes, T. 940
Mourgues, P. 188, 779
Muddiman, D. C. 425
Murao, N. 401
Murphy, R. C. 888
Murray, K. K. 1374

Nakamura, T. 888
Nakanishi, T. 773
Nakanishi, T. 1140
Nanayakkara, V. K. 475
Nawwar, M. A. M. 645
Neto, R. R. 336
Neubauer, G. 94
Newman, M. J. 64
Nguyen, V. Q. 55, 1162
Nibbering, N. M. M. 755
Nigge, W. 645
Niwa, T. 401
Nizigiyimana, L. 277
No, M.-H. 838
Noack, R. 323
Nonami, H. 287
Nordhoff, E. 593
Norstrom, R. J. 232
Novotny, M. V. 662
Nüsing, R. M. 1362

Ocampo, R. 978
Oxley, J. 525

Pachiaudi, C. 81
Palm, L. 593
Panzeri, W. 807
Parees, D. M. 71
Park, M. A. 1151
Patrick, J. S. 1299
Penaud-Berruyer, F. 188
Pereira, A. S. 1356
Perez, F. 420
Perri, E. 533
Pfeifer, T. 1064
Pieraccini, G. 1371
Piro, R. D. M. 781
Píš, J. 1050
Plass, W. 1299
Pool, W. G. 438, 1253
Popp, P. 1195
Pouponneau, K. 626
Pouteau, E. 1094
Prabhakar, S. 122
Prinsen, E. 12
Procopio, A. 533
Promé, D. 880
Promé, J. C. 880
Przybylski, M. 483
Pullen, F. S. 64
Pyle, S. M. 897

Quirke, J. M. E. 978

Raffaelli, A. 533, 1186
Rahbek-Nielsen, H. 593, 948
Rapoport, S. I. 395
Rappoli, B. J. 1080
Reckhow, D. A. 99
Reilly, J. P. 662
Reischl, H. 948
Richards, D. S. 64
Rimlinger, J. 1002
Roepstorff, P. 483, 593, 948
Rogers, E. 525
Rohrbaugh, D. K. 1247
Rohrer, A. 978
Ronco, G. 109
Rossel-Larsen, M. 593
Rowley, D. A. 1080
Russell, D. H. 263, 714, 1337

Saha, G. C. 216
Saito, M. 1140
Sakurai, T. 1179
Salvadori, P. 1186
Sandoval, D. 420
Sanz-Medel, A. 542, 556
Scarborough, J.
Schellauf, C. 507
Schierhorn, A. 1064
Schmeltekopf, A. L. 1273
Schoeller, D. A. 1332
Schutkowski, M. 1064
Schüürmann, G. 855
Schwartz, J. 1226
Schweer, H. 1362
Schweikert, E. A. 1151
Scott, L. T. 1305
Searles, S. K.
Segovia García, E. 542
Sekiguchi, O. 755
Sellier, N. 723
Selva, A. 807
Serani, L. 339
Seyberth, H. W. 1362
Shahgholi, M. 1080
Sharma, R. P. 216
Shetty, H. U. 395
Shia, J. 247
Shimizu, A. 773, 1140
Siegel, M. M. 760
Silva, A. M. S. 930

© 1997 John Wiley & Sons, Ltd.

Simoneit, B. R. T. *1356*
Sindona, G. *533*
Sipyaguin, A. M. *728*
Sjövall, J. *899*
Slobodník, J. *43*
Smith, D. L. *135*
Smith, J. *525*
Smith, R. D. *425*
Spengler, B. *1019*
Squires, R. R. *1271*
Stahl-Zeng, J. *1111*
Strife, R. J. *1226*
Stürmer, C. A. O. *483*
Sui, S.-F. *616*
Summerfield, S. G. *225*
Sui, K. W. M. *992*
Suzuki, Y. *1140*
Svoboda, M. *1117*
Swanson, A. G. *64*
Swijter, D. F. H. *71*
Szilágyi, Z. *689*
Szulejko, J. E. *494*

Tabei, K. *760*
Tabet, J.-C. *413, 829*
Tajima, S. *755*
Takakis, I. M. *1133*
Tan, L. P. *1236*
Tang, K. *425*
Taphanel, M.-H. *550*
Thibault, P. *109, 1057*
Thielecke, F. *323*
Thimmaiah, K. N. *1279*
Tokuchi, Y. *773*
Tortajada, J. *188, 779*
Toyoda, M. *1179*
Traldi, P. *781, 829, 1002, 1371*
Tretyakova, N. *728*
Triolo, A. *1186*
Troude, V. *331*
Tsantali, G. G. *1133*
Tureček, F. *55, 838, 1162*
Turillazzi, S. *1371*

Urban, C. *507*

Vairamani, M. *122*
Vais, V. *750*
Vaisar, T. *1050*
van Baar, B. L. M. *43*
van de Graaf, B. *438, 1253*
van de Wal, R. M. A. *1236*
Van den Heuvel, H. *277*
Van Dongen, W. *12*
Van Haverbeke, Y. *1170*
Van Onckelen, H. A. *12*
Van Stipdonk, M. J. *1151*
Vékey, K. *689*
Versluis, C. *697*
Vetter, W. *1117*
Villa, P. *109*
Vincze, A. *1320*
Vining, L. C. *1057*
Vlahov, I. R. *760*
Volmer, D. A. *297*

Wachs, T. *152*
Wada, Y. *124*
Wahl, K. L. *820*
Wajcman, H. *880*
Wang, C.-H. *247*
Wang, J. *616, 813*
Wasinger, V. C. *370*
Watanabe, H. *401*
Wattenberg, A. *1350*
Watzer, B. *1362*
Wehmeyer, K. R. *1205*
Wejde, J. *899*
White, R. L. *1057*
Willcox, D. A. *71*
Winkler, J. F. *1072*
Winniman, M. *305*
Wolken, J. K. *1162*
Wong, P. *159*
Wozny, M. *948*
Wu, Y. *379, 616*

Xie, Y. *99*
Xu, W. *241*
Xu, Y. C. *1310*

Yalcin, T. *209*
Yamada, S. *1140*
Yanagihara, T. *401*
Yang, K. *1057*
Yang, Y.-C. *1247*
Yasuda, M. *773*
Yergey, J. A. *314*
Yinon, J. *1320*
Yoo, J. S. *968*
Yost, R. A. *978*
Young, D.-S. *432*

Zanda, M. *1002*
Zell, M. *23*
Zhang, Z. *135*
Zhao, J. *379*
Zhao, Y. *813*
Zheng, W. *525*
Zolla, A.

© 1997 John Wiley & Sons, Ltd.

Subject Index to Volume 32

ab initio 494
ab initio calculations 550, 1064
Accurate mass measurements 263
Acetone 241
Acetylacetone 1337
Acylcarnitines 1195
Additivity scheme 494
β-agonistic drug 655
β-agonists 626
Alcohols 201
Alkenylglycerol 723
Amine-based chelating compounds 820
Amino alcohols 750
Amyryl fatty acid esters 1356
Anthracyclines 1186
Antibiotic resistance 1057
Apparent gas-phase acidity 959
Arginine residue 1337
Aromatic heterocycles 475
3-aroyl-5-hydroxyflavones 930
Atmospheric pressure chemical ionization 1100
Atmospheric pressure ionization mass spectrometry 388
Atomic clusters 577

Backfolding 438, 1253
Basic peptides 760
Benzoindoles 287
Benzyl esters 515
Benzyl–benzyl interactions 515
Bile acid 3-sulfates 401
Biomolecules 1019
Bond energies 475
Borinium ion 159
Bovine insulin clusters 714
Brain 395
Buckminsterfullerene C_{60} 241
Butyltin compounds 542

C_{60} 1305
Capillary electrophoresis 297
Capillary high-performance liquid chromatography 314
Carbazoles 287
Carbohydrates 1080
β-carbolines 287
Cation affinities 159
Cationization 216
Cationization efficiency 432
C—H bond dissociation energy 1219
Charge-remote fragmentation 968
Chemical derivatization 1290
Chemical ionization 413, 1072
Chemical ionization mass spectrometry 723
Chemical reaction interface mass spectrometry 420
Chemosensitizers 1279
Chiral recognition 1072
2-chlorophenoxazine derivatives 1279
$C_3H_7O^+$ 188
CH_4O_2 neutral loss 875
$CH_3OCH_2^+$ 201
CID 1124
Clenbuterol 655
Cluster ions 1305
Coeliac disease 444
Coincidence measurements 1151
Cold trapping 542
Collisional activation 461, 1170
Collisionally activated dissociation 846, 984
Collisionally activated dissociation mass spectrometry 147
Collisionally activated reactions 413
Collision-induced dissociation 167, 216, 277, 697, 728, 750, 992, 1279, 1320
Complexation 432
Computer modeling 875
Conformation 689
Congener structure 232
Continuous flow liquid secondary ion mass spectrometry 314
Continuous-flow isotope ratio mass spectrometry 1332
Cu^+-cationized amino acids 1037
Curve fitting 1212
$C^{2+}2X^-$ organic salts 147
Cyclization 728
Cyclodextrin 760
β-cyclodextrin 807
Cyclooxygenase 1362
9,19-cyclopropano steroids 1317
Cytidine 875

Deconvolution 438, 1253
Deep-sea shark 723
Delayed extraction 1111
Density functional calculation 1219
Desalting 425
Deuterium exchange 1050
Dextromethorphan 1205
Dextrorphan 1205
Diabetes mellitus 773
Dialkyltartrates 1072
Diazabicyclo[2.2.2]octane 1162
Difluorocarbene 984
Diglycylhistidine 1350
Dimethoxyborinium ion 846
Dissociation mechanism 188
Distamycins 1186
Distonic anions 645
Dithiocarbamates 728
DNA 425
DNA sequencing 305
Double bond location 723
Doubly labeled water 1332
Doubly labelled water method 323
Down syndrome 395

Ecdysteroids 1050
Ecotoxicological indicators 855
Edman degradation 225
Electron affinity 1305
Electron capture/negative ionization mass spectrometry 232
Electron impact ionization 728
Electron ionization 978
Electrospray 225, 655, 677, 1117, 1226, 1247
Electrospray ionization 305, 401, 959, 1064
Electrospray ionization mass spectrometry 425, 773, 1195
Electrospray mass spectrometry 432, 760, 1080
Electrospray-generated ions 992
Elongation factor 370
Enantioselectivity 1236
Entropies 494
Environmental analysis 542
Enzyme 1057
8-*epi*-prostaglandin $F_{2\alpha}$ 1362
Epoxyeicosatrienoic acids (EETs) 888
Equine plasma 152
Erythropoietin 948
Ethanolamine 626
Ethers 1124
Euglena gracilis 370
Explosives 525

Fast atom bombardment 277, 697, 968, 1002, 1050
Fast atom bombardment mass spectrometry 216, 807, 813
Fe^+ 1310
Flight time analysis 714
Flowing afterflow: atmospheric chemistry 1271
α-fluorinated α-amino acids 1002
Focal plane detectors 795
Fourier transform ion cyclotron resonance mass spectrometry 959
Fourier transform mass spectrometry 475, 959
Fragmentation 167, 232, 616, 1064
Fragmentation mechanism 750, 1037
Fragmentation pathways 525, 978, 1320
FTMS 1310
Fullerene chemistry 1310

Galactolipid 968
Gas chromatography 420
Gas chromatography/mass spectrometry 408, 438, 507, 1212, 1236, 1253, 1362
Gas chromatography/tandem mass spectrometry 1290
Gas phase ion–molecule reactions 1310
Gaseous phase reactivity 147
Gas-phase ion–molecule reaction 241
Gliadins 444, 940
Gluten 444
Gluten-free 940
Glycated hemoglobin 773
Glycosylation 948

Halocarbon ions 864
HbA1c 773
Hemoglobin variant 880
High resolution 1111
High-energy collision 277
High-mass proteins 1111
High-performance liquid chromatography 388
High-resolution mass spectrometry 263
High-resolution positive ion desorption chemicalionization 705
High-temperature gas chromatography/mass spectrometry 1356
Homovanillic acid 507
9*H*-pyrido[3,4-*b*]indoles 287
Human plasma 388, 1290
Hydrogen equilibration 323
Hydrogen exchange 135
Hydrogen transfer 750, 1124
Hydrolysis 1247
Hydroxyeicosatetraenoic acids (HETEs) 888
Hypervalent ammonium radicals 1162

Immonium ions 209
In vivo investigation 1094
Inclusion compounds 807
Indomethacin 1362
Inductively coupled plasma mass spectrometry 542, 556
Industrial effluent 1100
In-gel proteolytic digestion 483
In-source collision-induced dissociation fragmentation 645

© 1997 John Wiley & Sons, Ltd.

Ion abundance 232
Ion cyclotron resonance 201, 461
Ion formation dynamics 714
Ion injection 602
Ion mobility measurements 577
Ion optics 1179
Ion production from solids 1151
Ion reactivity 201
Ion signal profile analysis 714
Ion spray mass spectrometry 533
Ion trap 829, 1226, 1236, 1320
Ion trap mass spectrometer 829
Ion trap mass spectrometry 846
Ion trapping 602
Ion–molecule reactions 413, 550, 864, 959, 1170, 1271
Ion–neutral complexes 188
Ionosphere 1271
Ion-paired complexes 760
Ionspray 379, 739
Ionspray mass spectrometry 1186
Isomer differentiation 864
Isomers 297
Isoprostanes 1362
Isotope dilution analysis 556
Isotope ratio 323
Isotopic labelling 755
Isotopomer 1212

Keto–enol tautomerism 1050
Kinetic energy release 209, 689
Kinetic method 159, 1305
Kinetics 1271

Large biomolecules 577
Lariat crown ethers 432
Laser desorption 1350
Linked scan measurements 1317
Linked scans 697, 875
Lipid peroxidation 888
Liquid beam 1350
Liquid chromatographic/electrospray ionization mass spectrometric screening, polyphenolics 645
Liquid chromatography/mass spectrometry 305, 401, 655
Liquid chromatography/tandem mass spectrometry 152, 379, 655, 739, 888, 1205
Liquid membranes 1299
Liquid secondary ionization mass spectrometry 1279
Lovastatin 379
Low molecular mass solids 820
Low-energy collision 277

Macrocyclic distortion 978
Magnetic sector mass spectrometry 795
MALDI 1111
MALDI mass spectrometric peptide mapping 483
MALDI-MS matrices 593
MALDI-MS sample preparation 593
MALDI-TOF mass spectrometry 370
Mass discrimination 602
Mass spectra 930
Mass spectral fragmentation 525
Mass spectrometry 135, 351, 408, 413, 616, 626, 875, 1037, 1310, 1350
Matrix-assisted laser desorption/ionization 167, 602, 714, 820, 880, 1337
Matrix-assisted laser desorption/ionization mass spectrometry 948, 1019
Matrix-assisted laser desorption/ionization time-of-flight massspectrometry 263, 444
Matrix-assisted laser desorption/ionization time-of-flight massspectrometry, coeliac disease: glut 940
Mechanism of alcohol elimination 1124
Mechanism of fragmentation 515
Membrane introduction mass spectrometry (MIMS) 1299
Metabolism 1236
Metabolites 1290
Metal complexation 1080, 1350
Metal ion chemistry 1310
Metastable 201
Metastable ions 209, 755, 930
Methyl propanoate 755
Methyl sulfone-PCBs 232
3,4-methylenedioxymethamphetamine 1236
Microdialysis 425
Microhomogeneity of surfaces 1151
Microscale sample purification 593
Molecular orbital calculation 188
Molecular orbital calculations (MNDO) 689
Molecule–ion clusters 616
Molybdenum 556
Monomers 705
Monomolecular transformation 728
Motifs 370
MTI-800 984
Mucolytic agent 388
Multiphoton dissociation 461
Multiply charged ions 677
Multi-residue analysis 297
Multi-stage mass spectrometry 1226
Multi-turn 1179
Mustard 1247
Mycoplasma gallisepticum 370
myo-inositol 395

Nano-electrospray 297
Natural compounds 645
Natural isotope variations 855
Negative ions 829
Neural regeneration 483
Neuraminidase 948
Neuroblastoma 507
Neurolin 483
Neurons 395
Neutralization–reionization 1170
Neutralization–reionization mass spectrometry 838, 1162
Nitric oxide 723
5-nitro octaethylporphyrin 978
Nitrogen-15 855
N-methylpiperazine 1162
N,*N*-dimethylformamide dimethylacetal 626
N,N′-dimethylpiperazine 1162
Non-covalent adducts 677
Non-covalent complexes 1186
Non-ester pyrethroid insecticides 984
N-phosphorylated peptide analogs 813
Nuclear magnetic resonance 135
Nucleoside 875
Nutrition 1094

Oil analysis 838
^{18}O-labeling 401
Oleuropein 533
Oligodeoxynucleotides 1186
Oligonucleotide metabolism 305
Oligosaccharides 167
Olive leaf 533
On-target chemistry 593
On-target sample purification 593
Organic acids 820
Organosulfur compounds 838
Orthogonal time-of-flight 167
Oxidized peptides 1117
Oxyanion salts 820
Oxygen exchange 1332
Ozone 855

PAHs 1305
Peptide derivatives 225
Peptide fragmentation 1337
Peptide ladder sequencing 880
Peptide-mass fingerprinting 370
Peptides 263, 689, 697, 959, 1117
Peptoid 697
Pharmacokinetics 1205
Phenolic glucosides 533
Phenylcarbonyl compounds 287
Phospholipids 314
Phospholipids, characterization 616
Phosphonium ion 550
Phosphopeptides 1117
Photodissociation 475
Photoionization mass spectrometry 1219
Plasma 379, 739, 1205
Plasma desorption 1037
Polyatomic ions 577, 1151
Polychlorinated biphenyls 232
Polycyclic aromatic hydrocarbons 864
Polyfluorobenzenes 494
Polyhalopyridines 728
Polymers 705
Polyphenols 533
Post-source decay 1337
Post-source decay analysis 1019
Potentiometry 1080
Precursor scan 838
Profiles 370
Prostanoids 1362
Protein 135
Protein characterization 370
Protein glycosylation 483
Protein metabolism 1094
Proteins 263
Proton affinities 494
Proton bound clusters 1072
Protonated peptides 209
Protonated trimethyl phosphite 550
Protonation 1117
Protonation sites 1002
Pyridine *N*-thioxide 1170
Pyridine thiones 1170
Pyridoindoles 287

Quadrupole ion trap 351, 461, 550, 602, 864
Quadrupole ion trap mass spectrometry 351
Quadrupole mass filter 351
Quantification 1253
Quantitation, Orlistat 739
Quasi-triple mass spectrometry 297

Rat 379
Rearrangement 755
Rearrangement upon chemical ionization 515
Red blood cells 888
Reserpine 152
Residue survey 626
Review 677
Ricinoleic acid 277
Ring scission 978
Roast smelling flavours 807
RRKM-QET 1219

S-carboxymethyl-(*R*)-cysteine 388
Selected ion monitoring 388, 401
Selectivity 432
Selenium 420
Semiquantitative analysis 556
Sewage sludge 556
Side-chain fragmentation 1317
Slow heating methods 461
Solid phase extraction 1100
Solid-phase microextraction 1195
Space charge interactions 829
Speciation 542
Spectrum clean-up 438, 1253
Spiroplasma melliferum 370
Stable isotope 395

© 1997 John Wiley & Sons, Ltd.

Stable isotope dilution *507*
Stable isotopes *1212, 1332*
Stereochemical effects *413, 515, 750*
Stereospecific fragmentation upon chemical ionization (CI) *1124*
Streptogramin *1057*
Streptomyces lividans *1057*
s-Triazines *408, 1320*
Structure *135*
Structure elucidation *1226*
Substrate specificity *1057*
Sulfated carbohydrates *760*
Sulfolipid *968*
Sulfonamides *297*
Sulfonium ion *1247*
Supramolecular associations *807*
Supramolecular structures *1072*
Surface ionization *408*
Surface ionization detector *408*
Synthesis *930*

Tandem mass spectrometry *225, 461, 677, 689, 705, 807, 880, 968, 984, 1064, 1247, 1320*
Taraxasteryl fatty acid esters *1356*
Taxanes *216*
Tebufelone *1290*
Terpene *413*
Tetracoordinated organotellurium(IV) compounds *705*
Theoretical calculation *241*
Thermochemical measurement *159*
Thermochemistry *755*
Thioxo peptide *1064*
Time-of-flight mass spectrometry *1179*
Total energy expenditure *323*
Toxicity-based fractionation *1100*
Tracer dilution *1094*
Transition metal ions *475*
Transport *395*
Trimethyl borate *159, 846*
1,3,3-trinitroazetidine *525*
Triphenylene radical cation *1219*
Triterpenyl fatty acid esters *1356*
Two-dimensional gel electrophoresis *370*

48 u neutral loss *875*
Urine *1195*
UV MALDI matrix *287*
UV MALDI/TOF-MS matrix *287*

Vanillylmandelic acid *507*
Variable mass resolution *1179*
Vinyl acetate *241*
Volatile organic compounds *1299*

Waters *556*
Wheat *855*

Zero potential gradient lens conditions *992*

© 1997 John Wiley & Sons, Ltd.